

Fig. 1

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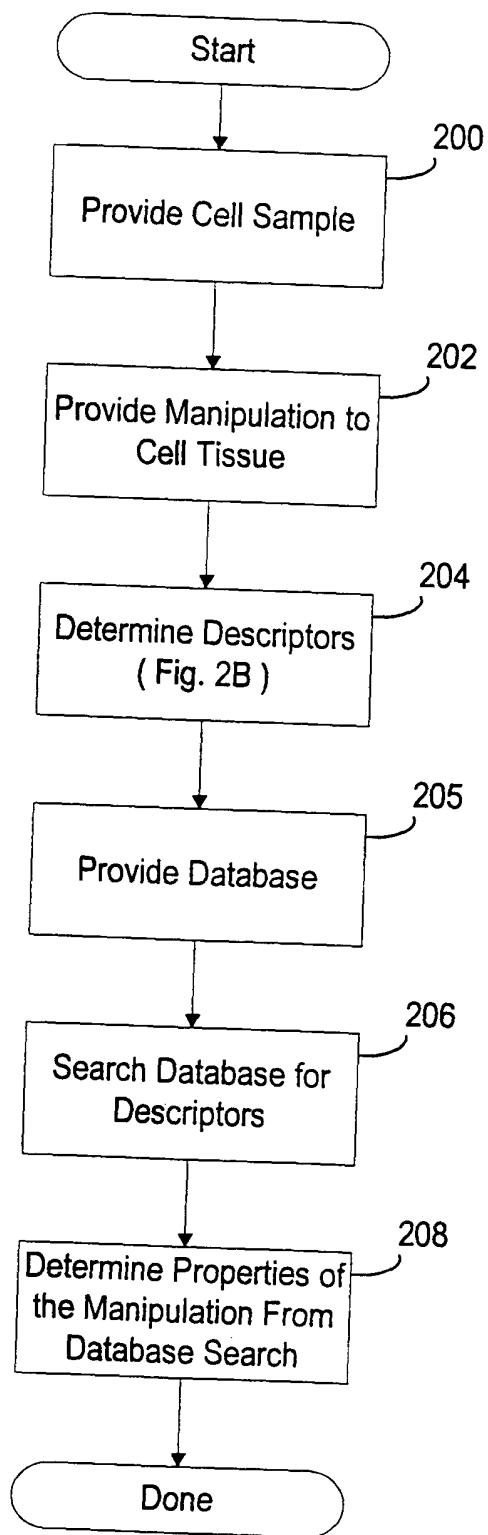


Fig. 2A

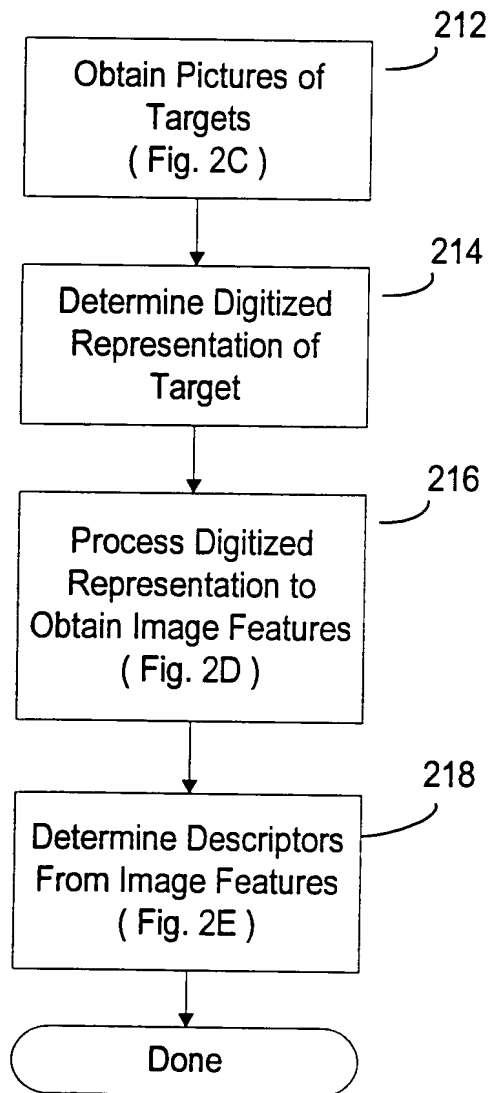


Fig. 2B
Step 204 of Fig. 2A

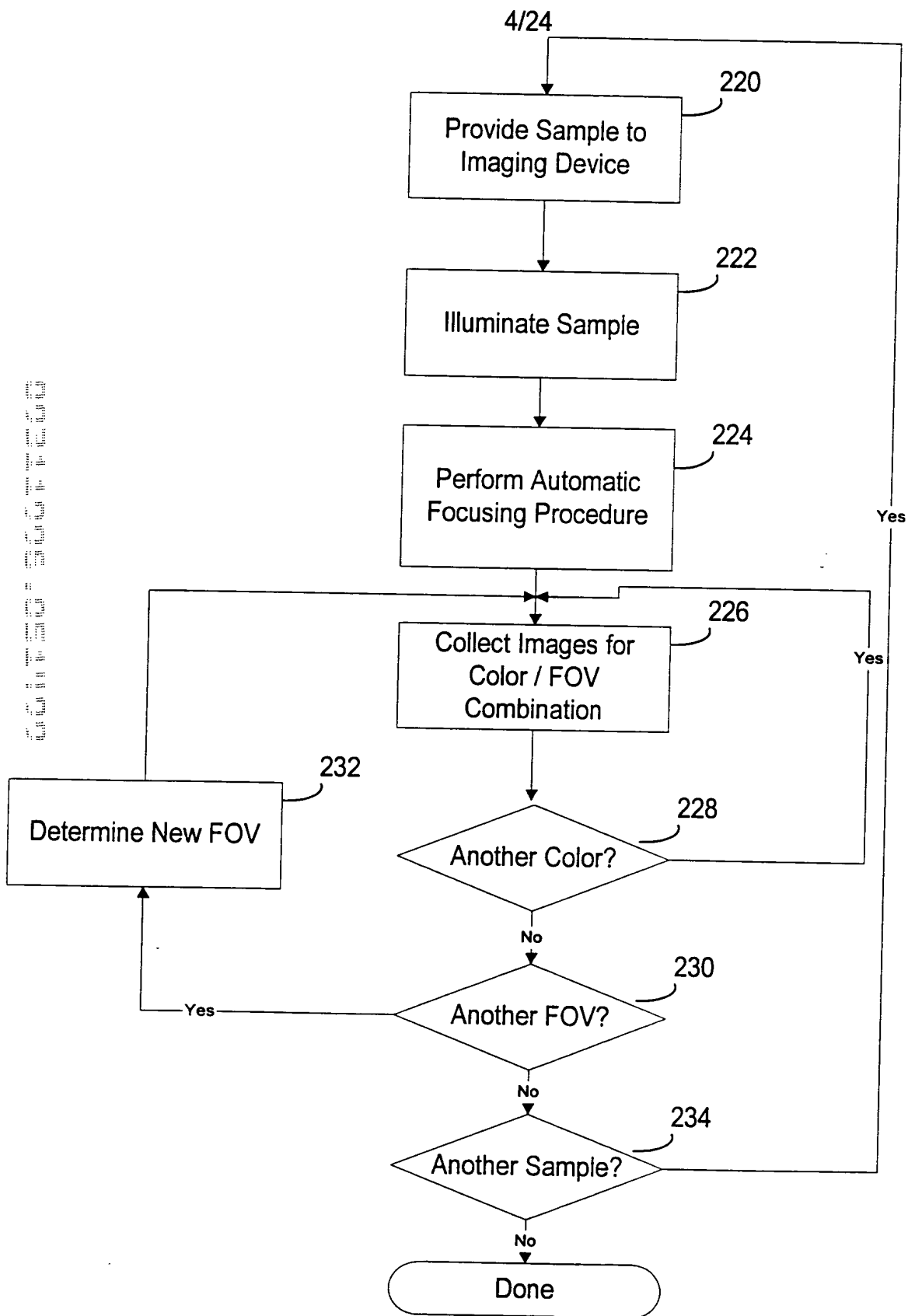


Fig. 2C
Step 214 of Fig. 2B

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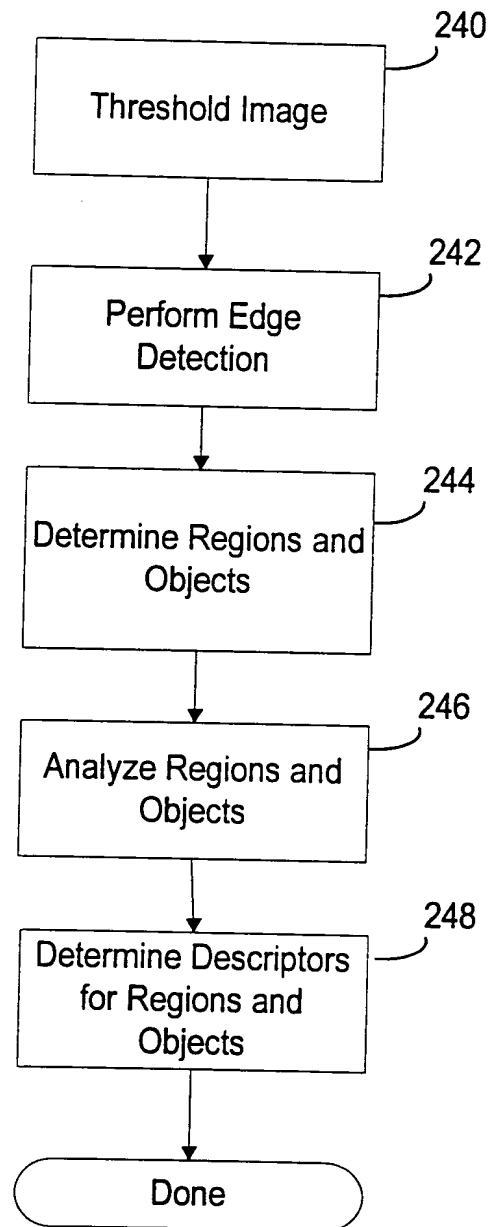


Fig. 2D
Step 216 of Fig. 2B

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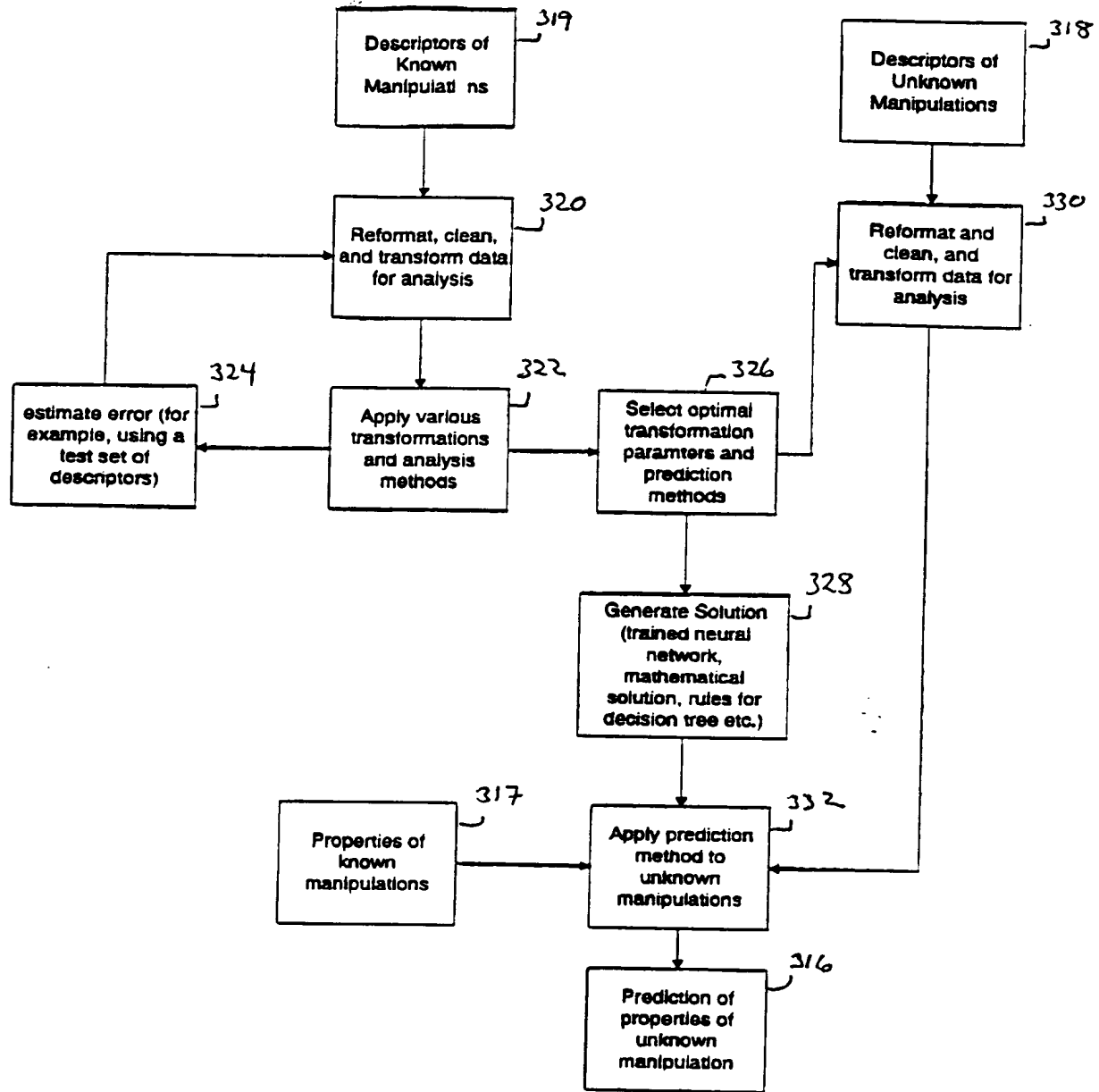


FIG 2E

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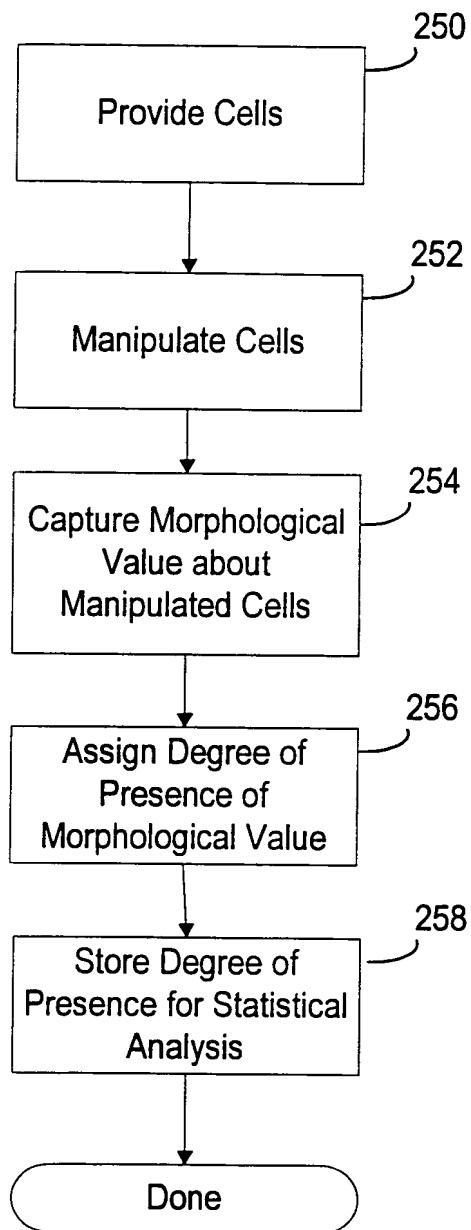


Fig. 2F

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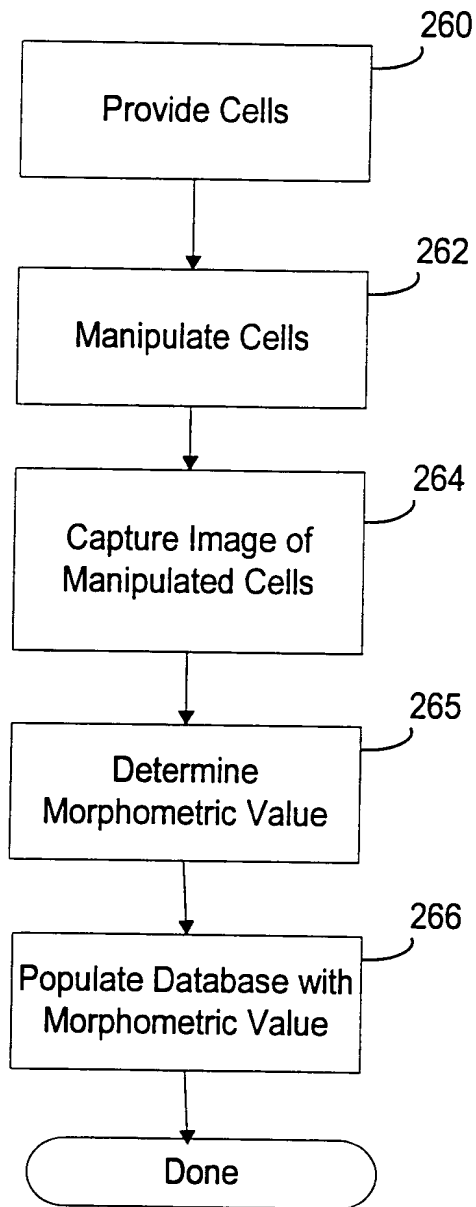


Fig. 2G

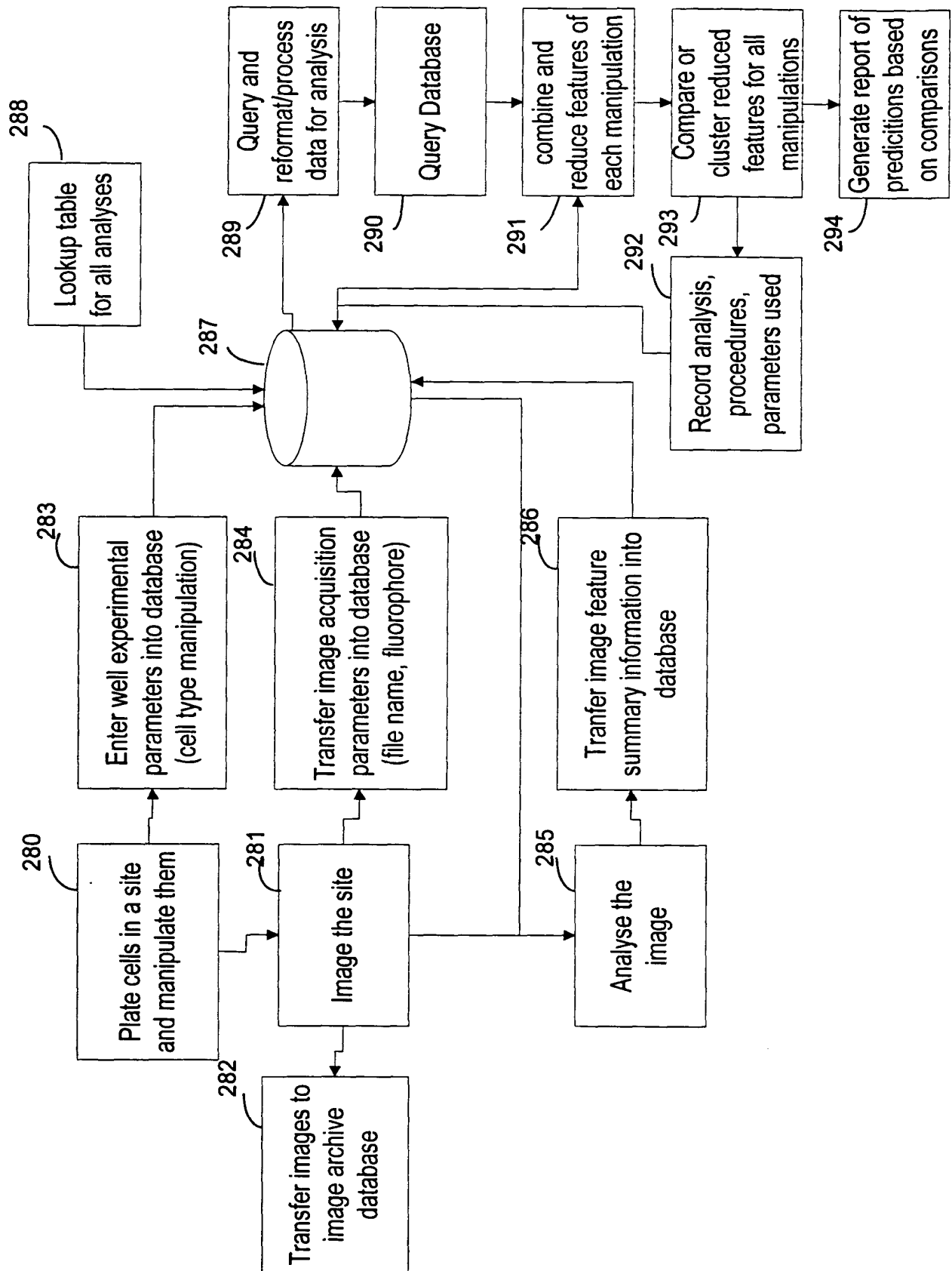


Fig. 2H

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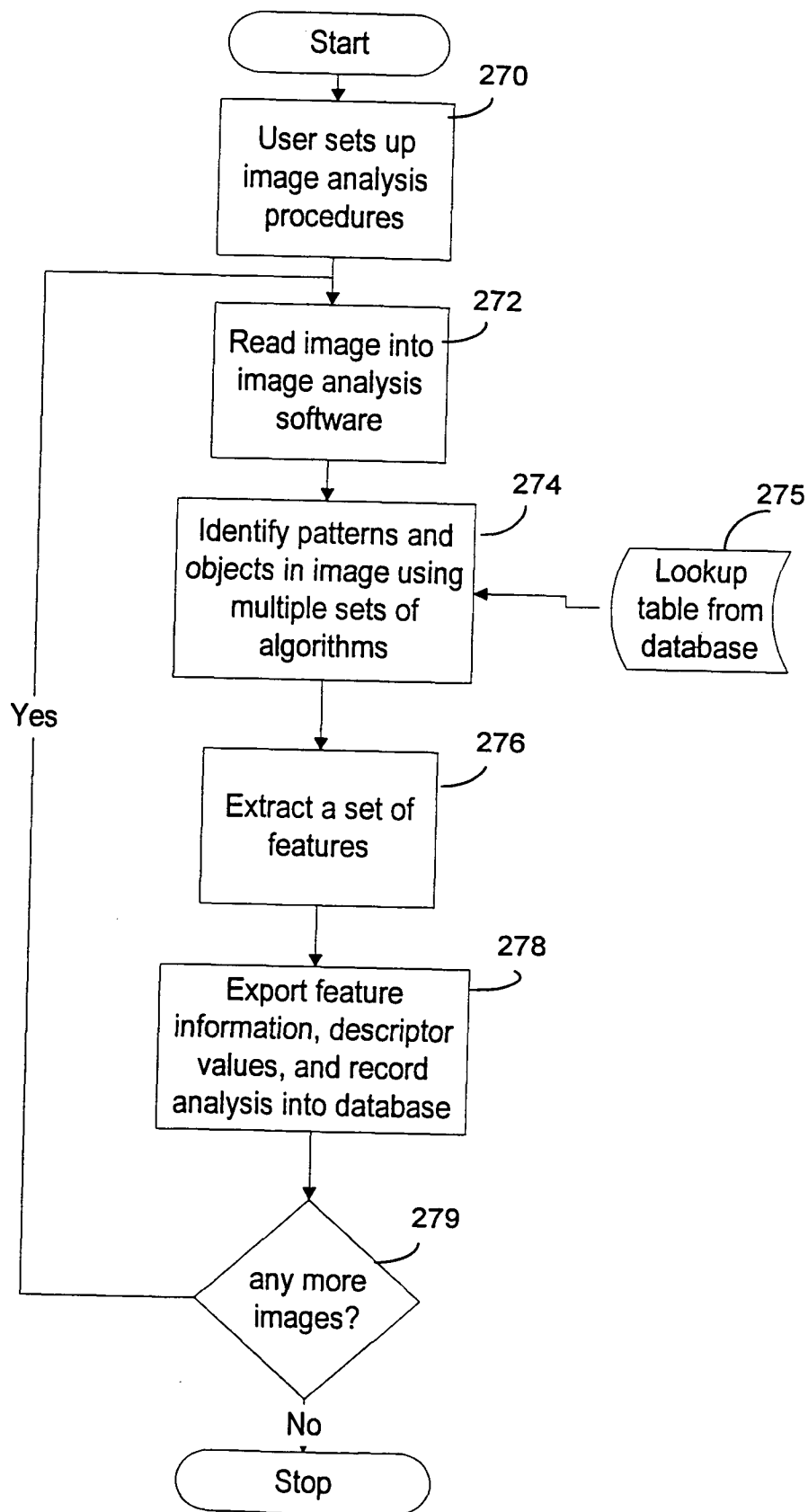


Fig. 2I

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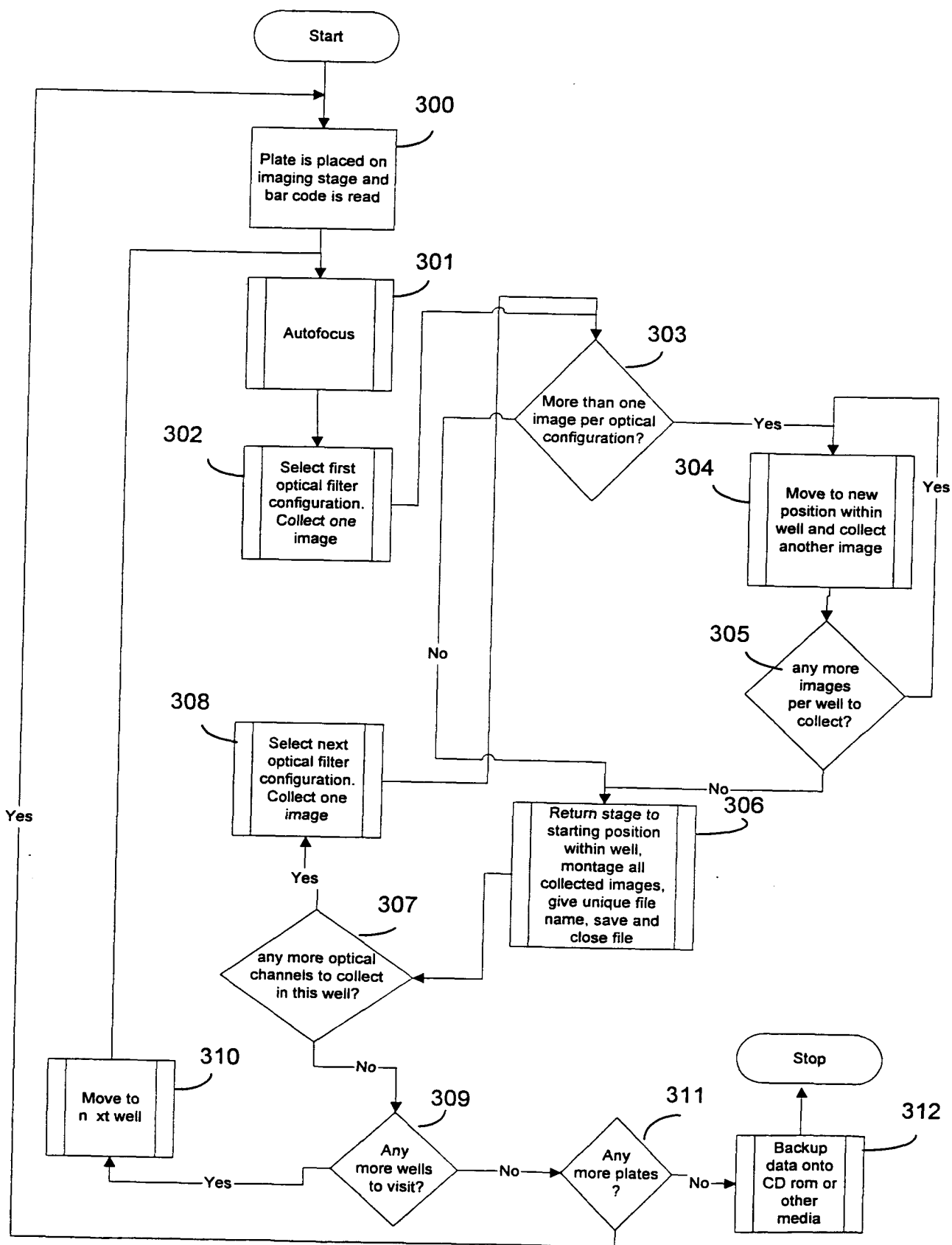


Fig. 2J

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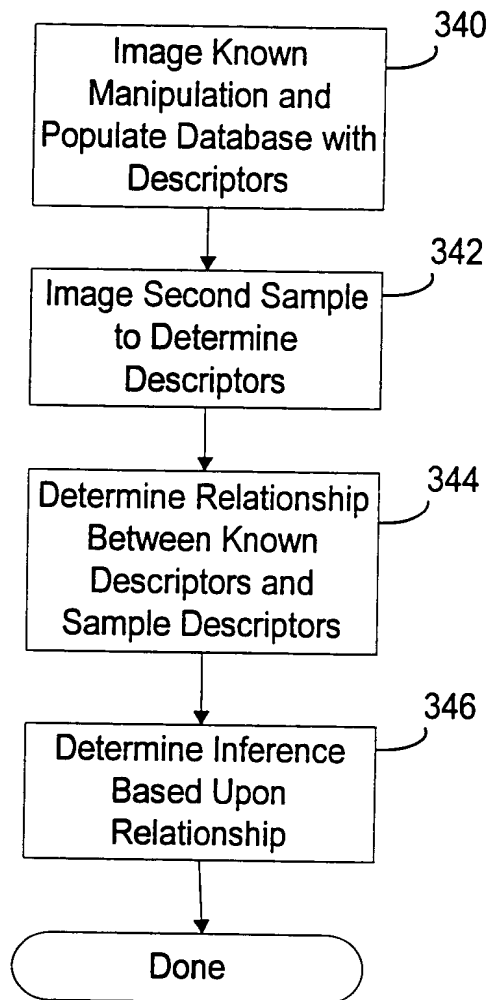


Fig. 2K

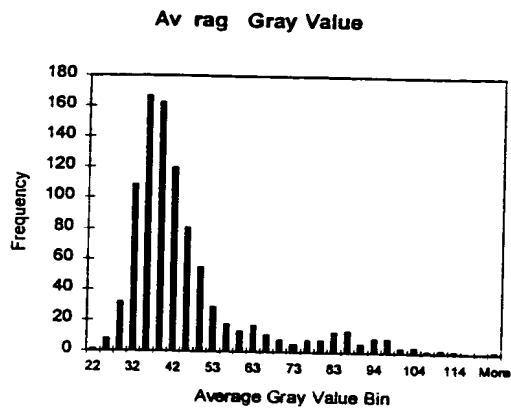


Fig. 3A

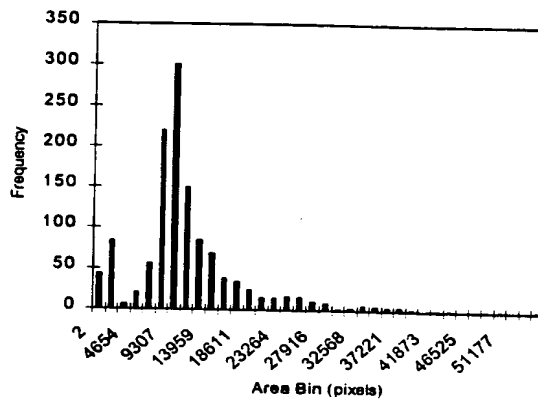


Fig. 3B

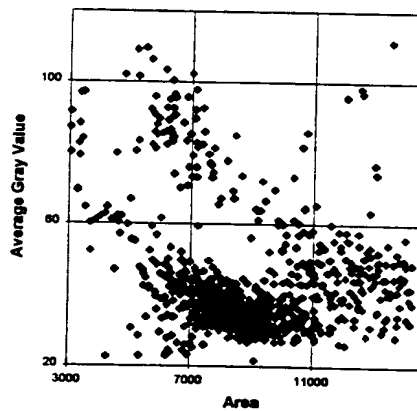


Fig. 3C

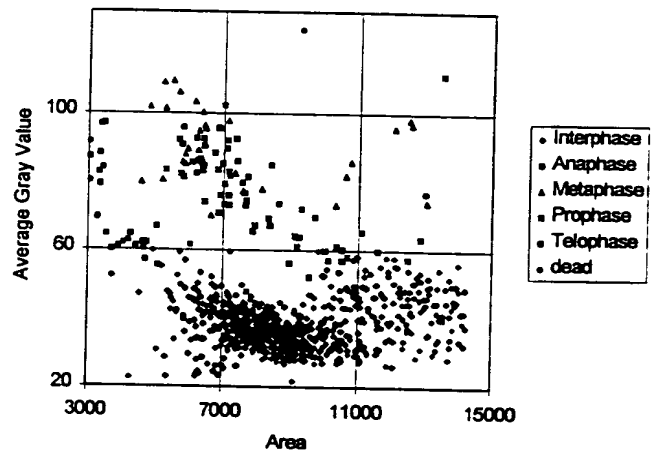


Fig. 3D

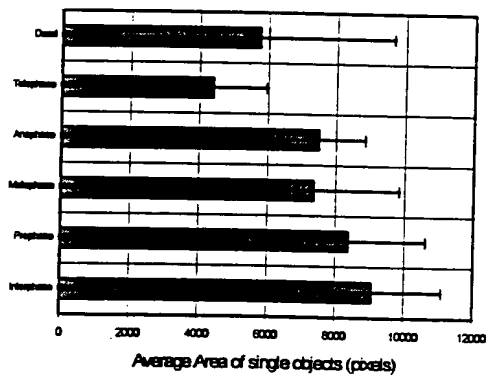


Fig. 3E

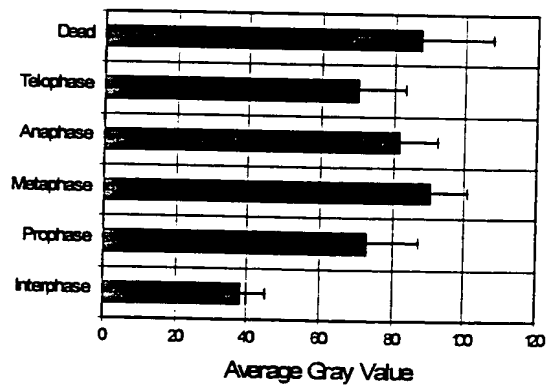
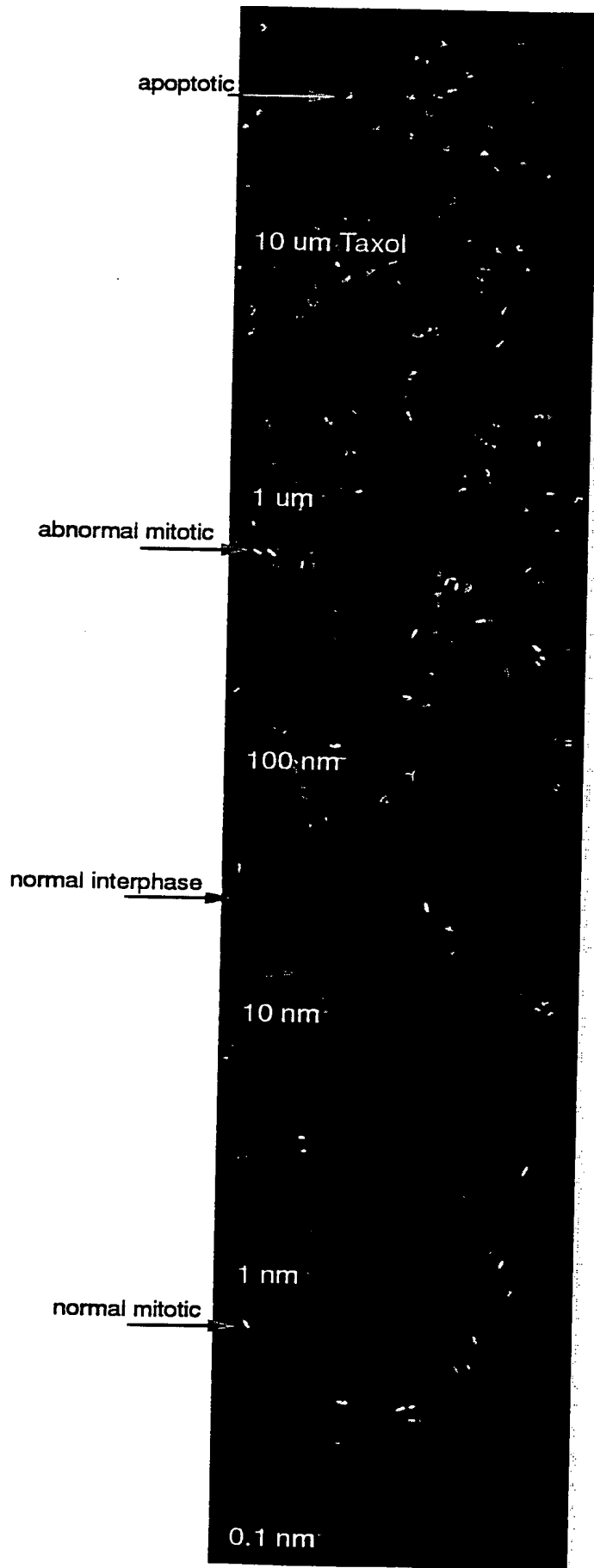


Fig. 3F

Fig. 4



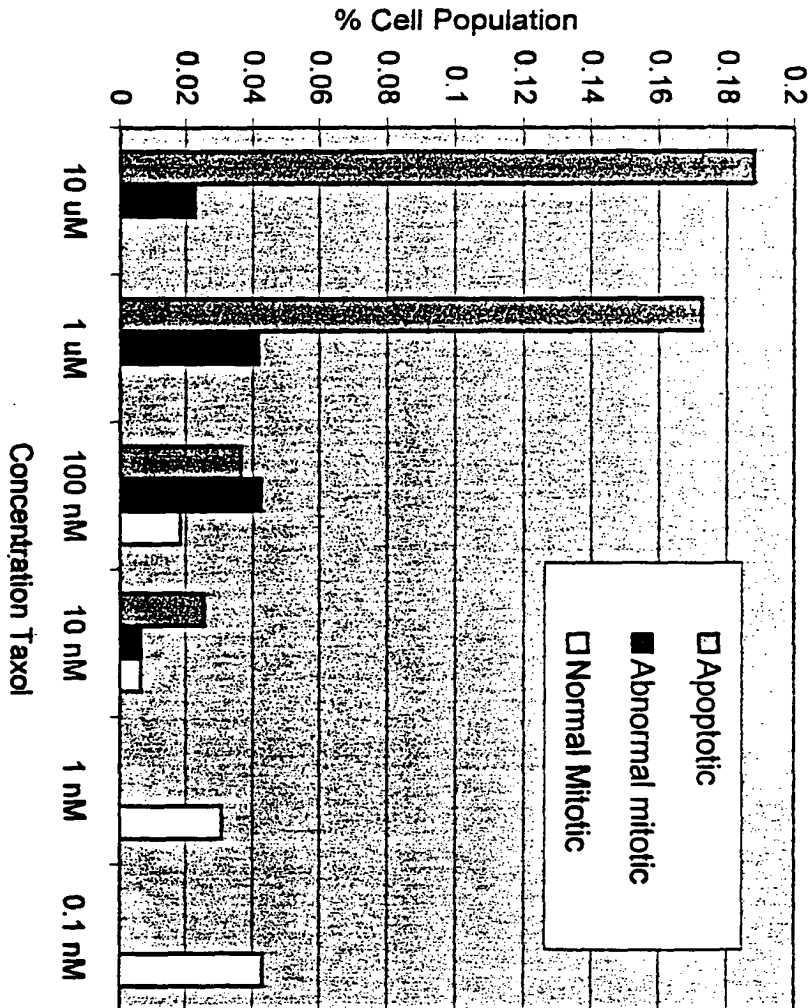
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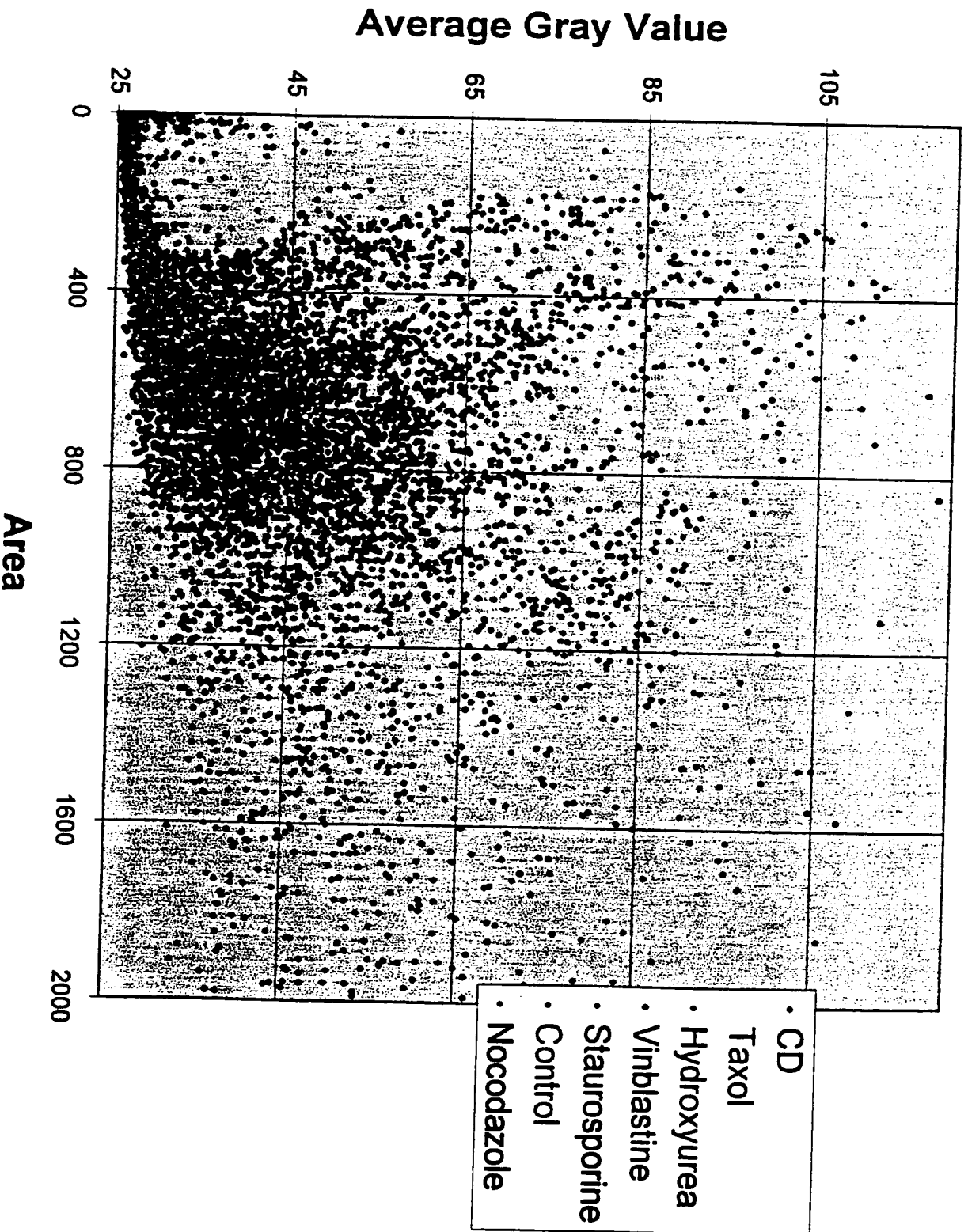
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MDCK cells treated with Taxol for 4.5 hours

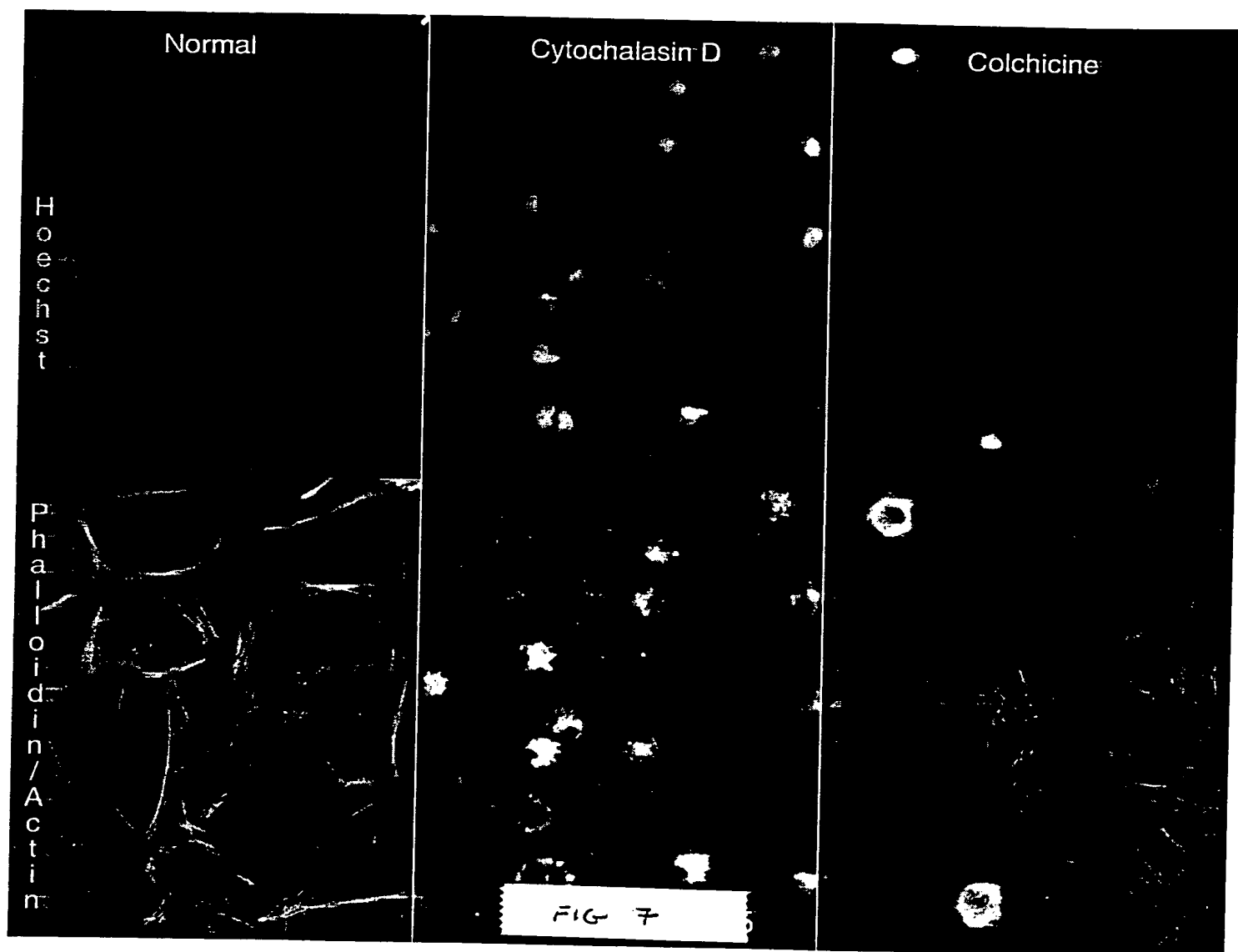


Variable	Mean	SD	Min	Max	Median	Mode	Range	Skewness	Kurtosis	Shapiro-Wilk	Normality
Age	35.2	12.5	22	65	32	32	43	0.15	2.1	0.98	Normal
Gender	1.2	0.4	1	2	1	1	1	0.05	0.2	0.99	Normal
Marital Status	1.5	0.5	1	3	1	1	2	0.10	0.5	0.97	Normal
Education	12.5	2.5	9	16	12	12	7	0.20	1.5	0.95	Normal
Income	1500	500	500	3000	1200	1200	2500	0.30	2.5	0.92	Normal
Occupation	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	Normal
Health Status	1.2	0.4	1	2	1	1	1	0.05	0.2	0.99	Normal
Stress Level	2.5	1.0	1	4	2	2	3	0.25	1.8	0.94	Normal
Life Satisfaction	3.5	1.2	2	5	3	3	3	0.18	1.2	0.96	Normal
Work-Life Balance	2.8	0.9	2	4	3	3	2	0.10	0.6	0.97	Normal
Family Support	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	Normal
Community Involvement	1.5	0.5	1	3	1	1	2	0.10	0.5	0.97	Normal
Personal Growth	2.2	0.8	1	4	2	2	3	0.20	1.5	0.95	Normal
Financial Stability	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	Normal
Emotional Well-being	3.2	1.0	2	5	3	3	3	0.15	1.0	0.97	Normal
Physical Health	1.5	0.5	1	3	1	1	2	0.10	0.5	0.97	Normal
Mental Health	2.0	0.7	1	3	1	1	2	0.15	0.9	0.96	Normal
Social Support	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	Normal
Life Goals	2.5	0.9	1	4	2	2	3	0.20	1.5	0.95	Normal
Work Satisfaction	2.8	0.9	2	4	3	3	2	0.10	0.6	0.97	Normal
Family Time	1.5	0.5	1	3	1	1	2	0.10	0.5	0.97	Normal
Personal Time	2.0	0.7	1	3	1	1	2	0.15	0.9	0.96	Normal
Community Time	1.2	0.4	1	2	1	1	1	0.05	0.2	0.99	Normal
Personal Development	2.2	0.8	1	4	2	2	3	0.20	1.5	0.95	Normal
Financial Planning	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	Normal
Emotional Stability	3.2	1.0	2	5	3	3	3	0.15	1.0	0.97	Normal
Physical Fitness	1.5	0.5	1	3	1	1	2	0.10	0.5	0.97	Normal
Mental Clarity	2.0	0.7	1	3	1	1	2	0.15	0.9	0.96	Normal
Social Skills	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	Normal
Life Purpose	2.5	0.9	1	4	2	2	3	0.20	1.5	0.95	Normal
Work-Life Integration	2.8	0.9	2	4	3	3	2	0.10	0.6	0.97	Normal
Family Harmony	1.5	0.5	1	3	1	1	2	0.10	0.5	0.97	Normal
Personal Fulfillment	2.2	0.8	1	4	2	2	3	0.20	1.5	0.95	Normal
Financial Freedom	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	Normal
Emotional Resilience	3.2	1.0	2	5	3	3	3	0.15	1.0	0.97	Normal
Physical Health Maintenance	1.5	0.5	1	3	1	1	2	0.10	0.5	0.97	Normal
Mental Health Maintenance	2.0	0.7	1	3	1	1	2	0.15	0.9	0.96	Normal
Social Support Maintenance	1.8	0.6	1	3	1	1	2	0.12	0.8	0.96	

Scatter Plot

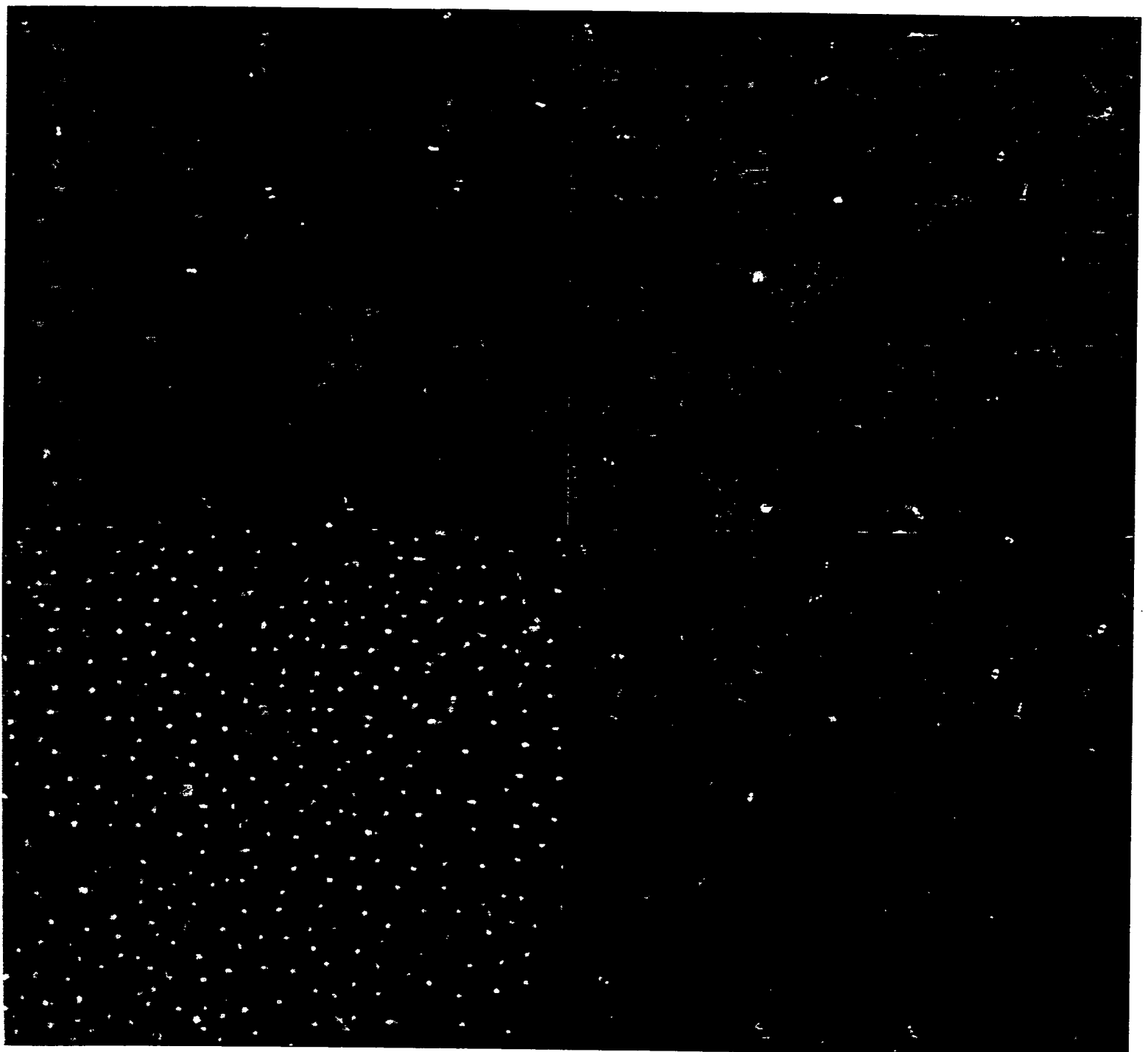


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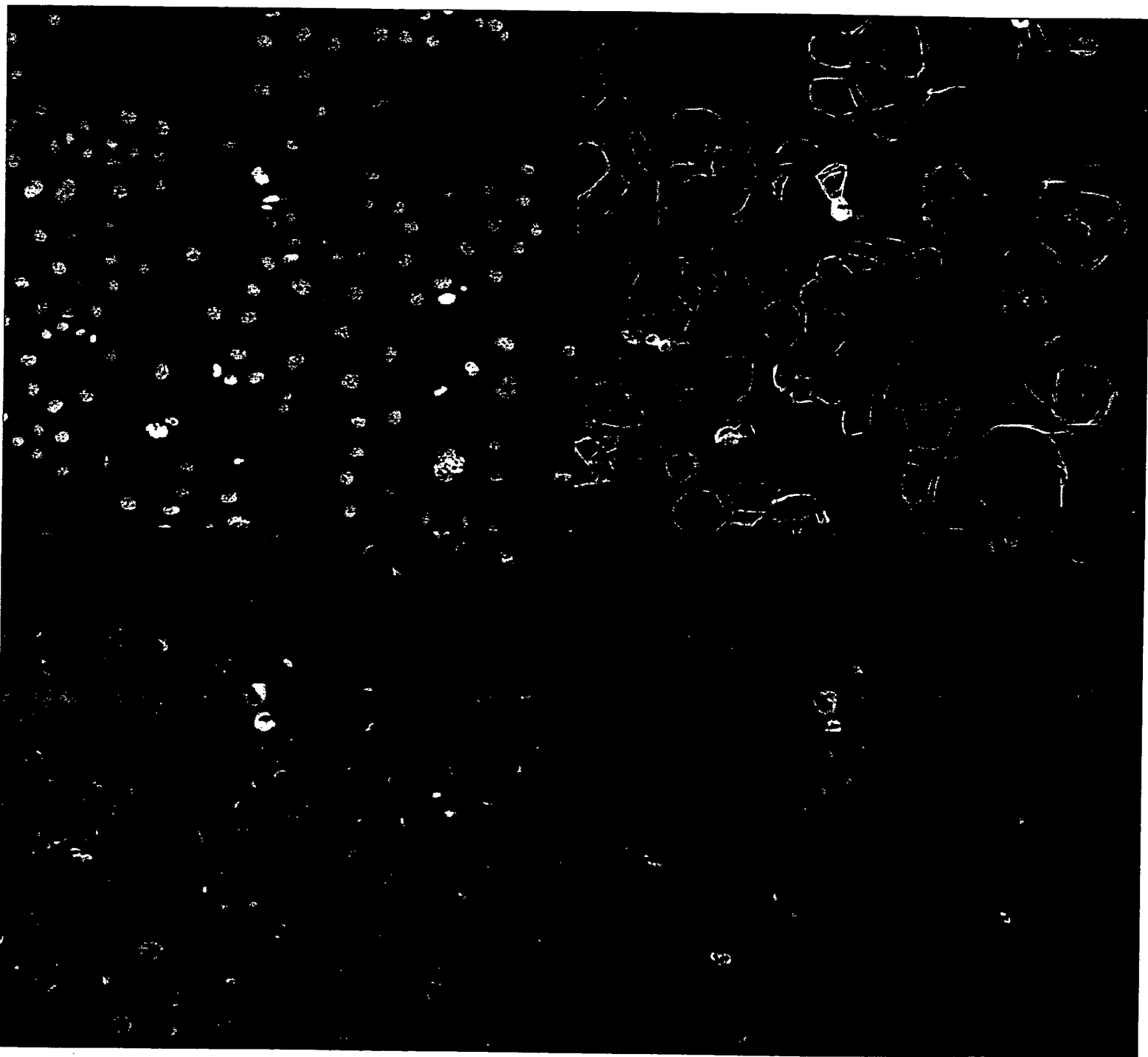
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FIG 8

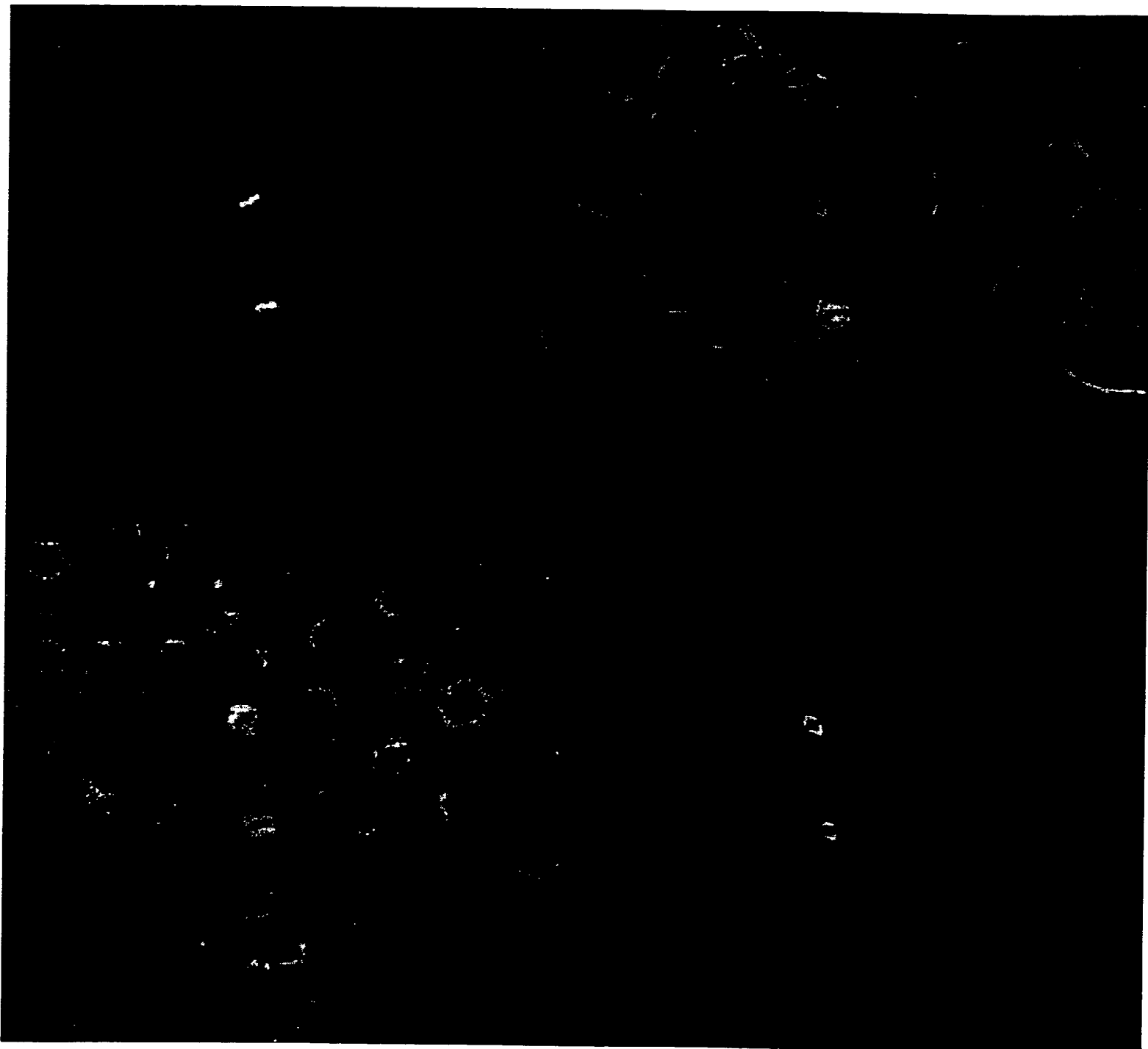
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FIG. 9

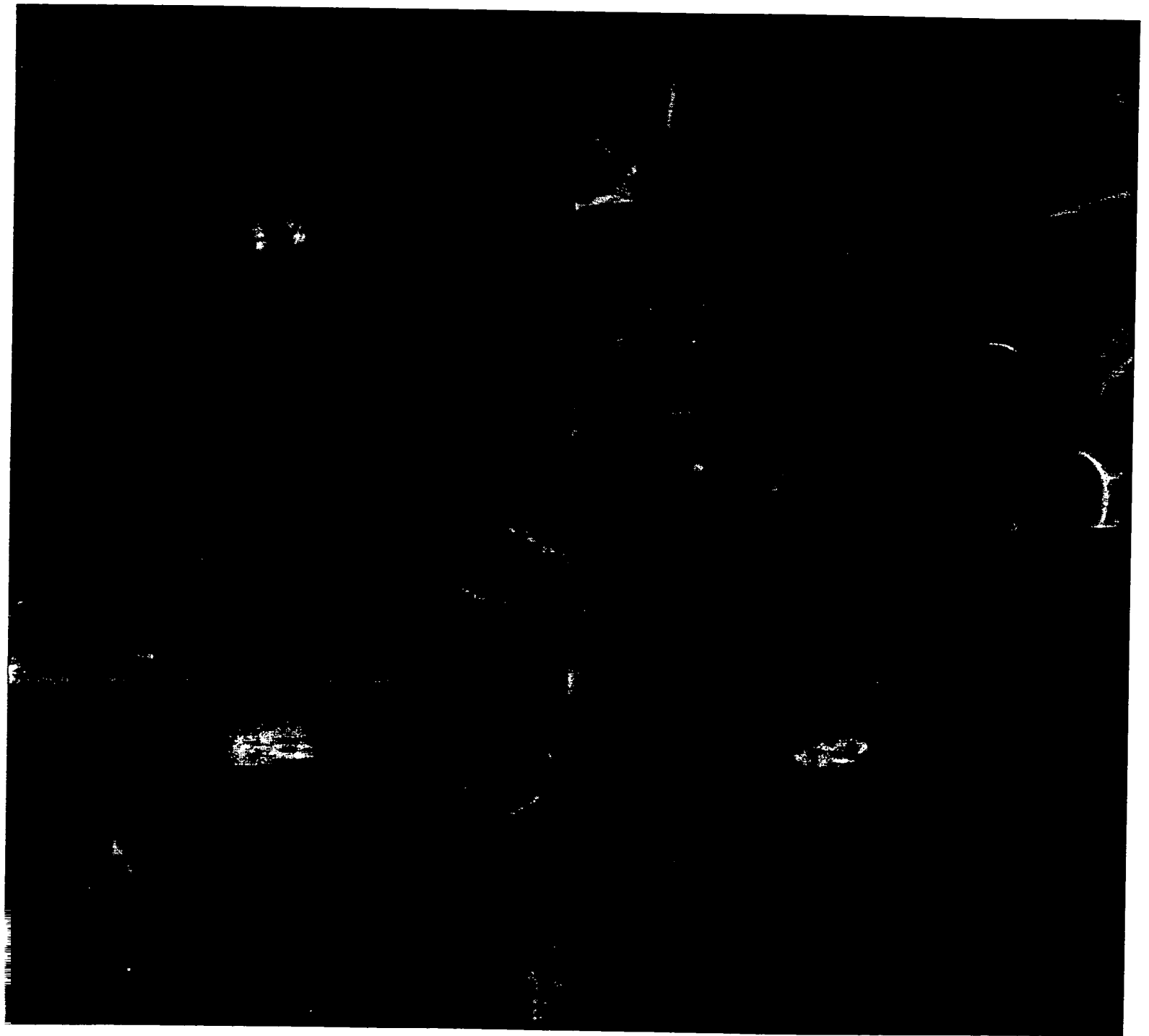
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FIG. 1C

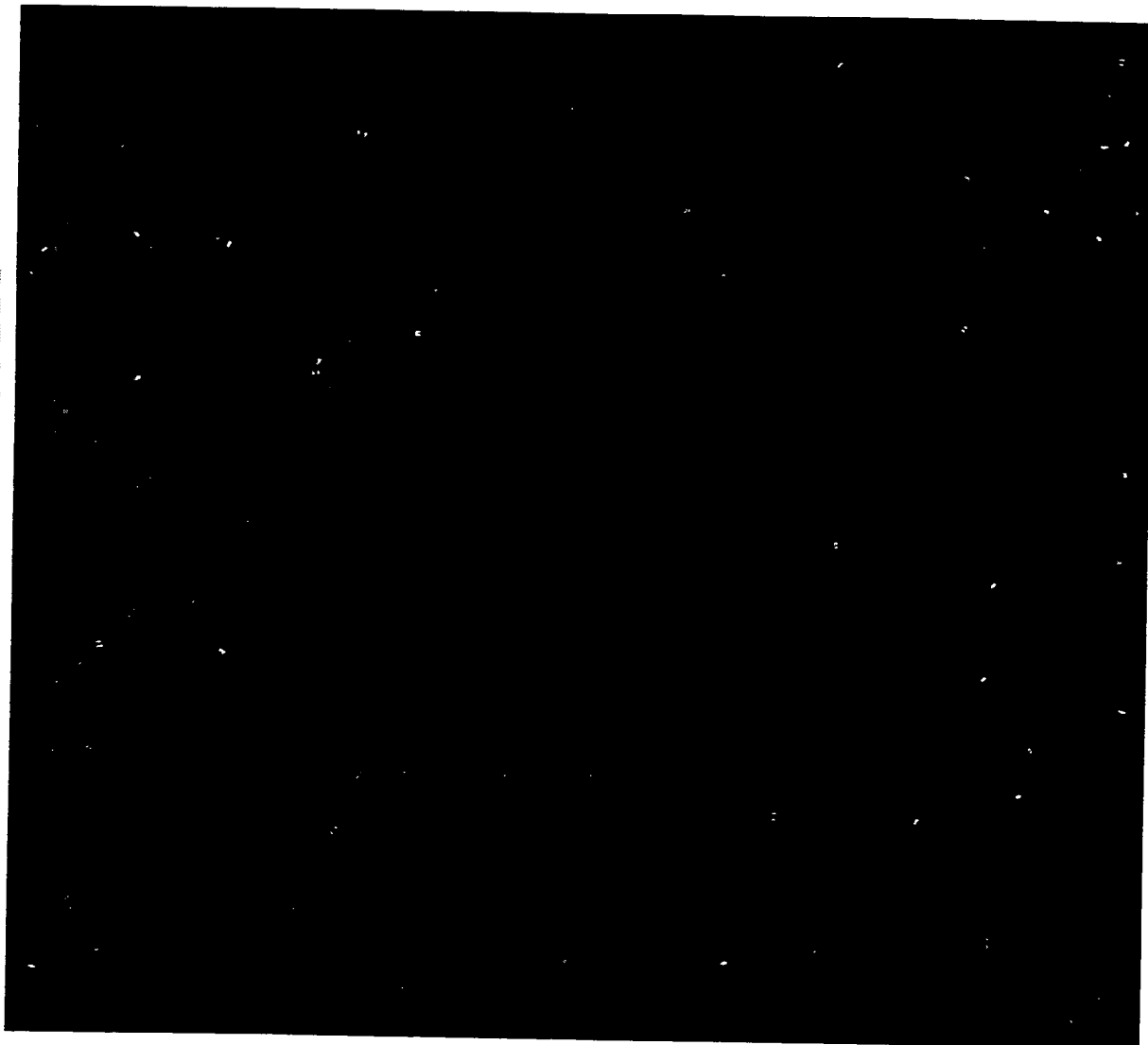
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FIG. 11

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FIG 12

**Conversion of morphometric parameters into nucleic acid code
and clustering of the resulting sequences using Neighbor
Joining method.**

Compound:	Measurements																							
	Count	Area	Perimeter	Length	Breadth	Fiber length	Fiber breadth	Shape factor	Ell. form factor	Inner radius	Outer radius	Mean radius	Equiv. radius	Equiv. sphere vol.	Equiv. prolate vol.	Equiv. oblate vol.	Equiv. sphere surface area	Average gray value	Total gray value	Optical density	Radial dispersion	Texture Difference Moment	EFA Harmonic 2, Semi-Maj	EFA Harmonic 2, Semi-Min
Control	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
Taxol	a	t	t	t	t	t	t	t	a	t	t	t	t	t	t	t	t	t	t	t	t	a	t	t
CD	c	a	a	a	t	a	t	t	c	a	a	a	a	a	a	a	a	t	a	a	a	t	a	g
Nocodozol	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t
Staurosporine	g	g	c	a	a	t	a	a	t	g	a	a	a	t	g	g	g	a	a	t	a	t	a	a
Vinblastine	c	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	t	g	t	t	t	t	t	t
Hydroxyurea	g	t	t	t	t	t	t	g	t	t	t	t	t	t	t	t	t	t	c	t	a	t	t	t

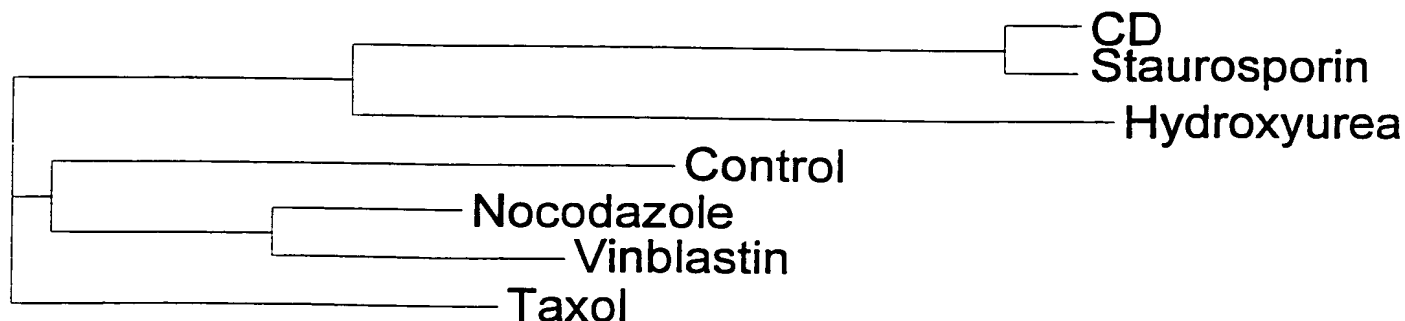


FIG 13

Conversion of morphometric parameters into amino acid codes and clustering of the resulting sequences using Neighbor Joining method.

	Control	Taxol	CD	Nocodazol	Staurosporine	Vinblastine	Hydroxyurea
I	Count	G	F	W	N	F	S
P	Area	F	G	F	V	W	H
T	Perimeter	M	G	M	A	W	H
T	Length	M	G	M	G	M	H
N	Breadth	P	M	W	G	W	H
S	Fiber length	M	G	M	M	W	H
D	Fiber breadth	P	M	P	G	C	H
W	Shape factor	H	K	T	G	W	V
M	Ell. form factor	G	A	R	Y	D	H
S	Inner radius	S	G	S	V	S	H
T	Outer radius	M	G	M	G	M	H
T	Mean radius	M	G	M	G	W	H
T	Equiv. radius	W	G	M	G	W	H
T	Equiv. sphere vol.	C	G	F	M	M	H
C	Equiv. prolate vol.	F	G	M	V	M	H
C	Equiv. oblate vol.	P	G	W	V	M	H
P	Equiv. sphere surface a	F	G	F	V	W	H
P	Average gray value	R	H	M	G	M	H
M	Total gray value	C	G	M	G	V	H
C	Optical density	M	G	R	H	E	A
T	Radial dispersion	M	G	M	G	M	H
G	Texture Difference Mo	H	M	M	M	M	G
T	IEFA Harmonic 2, Semi-	M	G	M	G	M	H
T	IEFA Harmonic 2, Semi-	P	V	F	G	F	H
Y		S	H	G	V	P	D

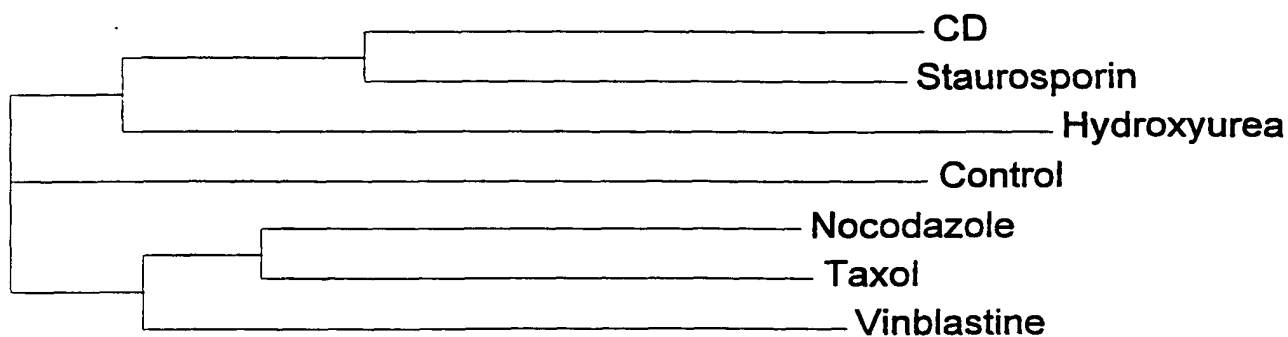


FIG 14